

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:296	Late	LPZ-280	GCGGACGCCTTAATTGACTACAAAGATACTGAAGCCAATGATGACAGGTTGTGCC ACTTTCCAGCTGATAAAGACAGCTCTGAAATTGATAGAGCCAGAACTCCAGCTGC AATGCTCCCCAGAGCCTGGTTGAAGCGCTTGCTAAAGGTGGCACTTTATAGACCGA CCCAAACCTCCCTGGCCGTCGTTTTACAACGTC
SEQ ID NO:297	Early	LPZ-281	GCGGACGCCTACTGGAAACCCGGTCCACCGAAGGCTGAAATTGTCCTGCTTTGTA TACCGAATGGCAGGAAGGTTGTCGAGCATCAGGTTACCTGGTAAAGATTATCGAT CCTATGCTTCAATACCTTCAGCTGCTCTGCCCCAAGGACAGTAGTATTGCACAGGT AAATTTGAGATTCATTGACATTCATCCGGAAGCGATATGGTGAGTTCTCGATCCTGT CCCCATGAGGAGCTCCCCAAGATTTTCTGCCATGTCCTTCACACCATCCAAGGGC TTGCAGAAGGGCAGGCTGTAATAGCTGTAGGGAAGCTCTGTCTCGACTGAGGTAA GGGAATTGACGTTACCCATAAATCTGACCCCTGGGAGAATATGATGTGAGGAATA CAGTGCCCAAGTAAATATACTCCGCATTATACGTTTGTGTGTGCCTTCCCCAATATT GCCCCAACATAATCAAAACCCACAATCCCAAATCCTGGACCGTCGTTTTTACAACGTC
SEQ ID NO:298	Early	LPZ-282	GCGGACGCCTTGTCAGGACCAAATGTGTAAGAAACACCTCTGTCAATTCGAGCCCCA TCCTTGAATTGCATTGCAGGGGTCTGACCAAAGAAGATCACATAACAACCTGTAT CTGGCACATCTGTAGGTCGAGGTATATTCTTTATTTGTTCCAAATTGGTCAGTTCAG GCGAAAGACCACCATGCATGCATAGGATCTTTTCATCTATAAGTGCAGCAACAGGC AGGCAGTTGAAACAGTCTGTAAAAAGTTTCCATAGTCTTACATTGAATCTGCGCTTG CACTCATCATAGAAACCATATATGCGATTTATTGAGGCACATTCATGATTTCCCTC AGAAGGAAAAAGTTCTCTGGGTATTTAATTTGTAAAGCAAGGAGGAGGCATATTGT CTCTAGGCTTTGTTTGGCCCGGTCCACATAATCTCCAAGAAATAAGTAATTTGATT CTGGTGGAAGCCACCATATTCAAAAAGCCTTAGACAGATCAGAATACCGGCCTGT CGTTTTACAACGTC
SEQ ID NO:299	Early	LPZ-283	GACGTTGTAAACGACGGCCAGGAGACGGGAATACCTATTTTTGGGAGGATTATTG GGCTCGGGAATCAGCATATTGATGTGGCTGCAACTCGCATCCTCGATCTTTGGTGG TTCTTCGGCGATTTACACATTTGAGATCTACTTCGGTCTGCTAGTTTTCTTGGGTA TATTATTTTACACACAGATGATCATCGAGAAAGCGGACCATGGAGACTATGATTA TTTAAACATTTCACTGGACCTCTTTATTGACTTCGTTGCTGTATTTGTTGCGCTGAT GGTCATAATGGCAAAGAATGCAGACAGTAAATCCAGGGAAGGGAAAAAGAAGAGA AGGGCTTGAACATATGTGAGATACAAAAATATCGAGAATAGAAGGGCTTGAAC TAGG GCTTGAAAGCGTCCGC
SEQ ID NO:300	Middle	LPZ-284	GCGGACGCCTATCAGACAAGGGTGTGACCGAACTTTATCCTCTGAAAAGTGCTT GAAGCTGATGTCATGGCAATCCACGTGTCTGCACCATATTTTCATCGGAGCCCCTCA CACGGAAACAACCTTAAGCCAAAAGGTGGTGCGATGACTTACCGGCCGTTTATGGT TTGCTTCGGTGGTTTTCTGTTGGGTGGTTTCCCGCGCGCGTTAACTGCTGGCCGT CGTTTTACAACGTC
SEQ ID NO:301	Late	LPZ-286	GACGTTGTAAACGACGGCCAAGAGGGGGGAAACTCCCAAACACTTTTCCATTTTT CTTCTTTTATTAACTTCAAAGTATTTTCCAACAGAGTTACAAGGGGCCAACCATGT CCAAATCCATGCATTTACCAAGTACAAAGAATGGTAGTCCTTGGCTTGACCTATCGC ACTAGCCAAAAGTGCCAAGTCCACAACCTAGGGTGTGCCAACCTAAGGTTGACACC TTGCCTAGAAAAAACCCCAAACCTTGGCACCACAAATAACACAGAAACACAACCTCTG ACCTCTGCCAGAAACCAGGCTCTCTTGGGAAAGCCACACCTCTCTGTGATATGT CTTATCTCCAATTTCCCTTTTTGTGATGCACTCCCTTGCTTGTGGTTCTGCGATATC ACACAACTTACATTTCTGCGATTTTTGTTTCTTGCTTCTCCAAATCATGCGATCTTA TTTTTAACCCTTGAGACCCTTCACACTTTCCATCCATGACGTCACTTCATCGTTTTA GCCAATTCGTCATTTGGGCATGTTGGGCGTTGGGTCTACCCGATTCCGGTTCGTAC AGGCCAAATTGACCATTTTGGTCCAGGTGGGTGCACCCATTCTGGAGGGCGTTTC GGC

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:302	Late	LPZ-287	GCGGACGCCTCCACAGAGCTCACACATACAATATACTATGATGCCTCCAGAACTAT GGCACTCTGTATGCCGCTTCAATATGGATTAGCCCACTGCGCCATCCAATTAGG CGAATCAACCTTATAGCACCATCCACAACCTCCAGCGCTCTCTTTTTCACGCTAGAT TGGCCAACTACAGGCTTTACAACACTACTCATATACTCAACTCGGCTCCTCTGC TCACCACTAAATCACACAGGCTCCAATCGCTAGACAGAGCCACTACACAGGCACTA ATAGCCACTACACAGGCACTAATCTTGGCGTCCTCCACCAGGTTCCAACAACAACC CCAAATTGCATATGCACTCCACAGTGAGCACCAACTAGGTCCACACAATAGGCCAC ACCAACAACACTCCAAGGACCCTAGATCCTGCCTACCCAGACACCACTAGGCCTT CCTCACAGCTCACCTAAGTGAGCCAACAACCTGGCTGGGCACACAGCTCCCAACTAT ATGAGCACACAGCCCAACTACAGCTCCACCACACGCACAGCTACACGCACAATGC CTTCTCAAGTTCACAGCCACACCATAACGCAGCACAGTTCTTACAAACATATCTCTC CAGGCGTCCGC
SEQ ID NO:303	Middle	LPZ-288	GACGTTGTAAAACGACGGCCAGGATAATGGACACGAGAAACCTTTGGATGTGCCT CTAAAGTGCGGGCAATCCTTAAAGCTGTTGAATTTTGTGCTGTACACGAAGGTGC AGGGTCTTTATGCCACGAAGAATCAAGTACGCTGCATTTGGACTTAATACACCTCC CAAGACATTGTGCAAAGCACGTAAGTGCCAATAACCTTGTGTTGAACCACTCAAAC GCCTGCAAGAACATCATTATGACCTGCAATATATTTAGTTACCGAATGCAATACAAT ATCTGCGCCGAGTGCTAACGCTTTCTGGTTAACAGGCGTCCGC
SEQ ID NO 304	Middle	LPZ-289	GACGTTGTAAAACGACGGCCAGTCATTATTGACAATAATCCTTTACGCTTTTTACTG CAACCTTTAAACGGTATACCTTGCGTTTCTTTCACTGGAGCACACTCAGATGATAAT CAGCTTTTACAGGTGCTCTTACCTCTGTTGAAGCATCTTGCCACTCAGGAGGACGT GCGCCCTGTGTTGTATGAAAGATTTTACATGCCCGCATGGTTTGAAAAGCGTGGA TTCCAGCATCTGAGTGGCCCTTGTGACTTGTTTTGATTTTGGATACTCTTTGTCT TTTGGGTCAAGGTAAAGGTGTACGTATCCAAGTGATGCAAGCGTCCGC
SEQ ID NO:305	Middle	LPZ-290	GCGGACGCCTGATAGCACGAGTCTTCTTGGGACGCAAATCAAGAGGCAGGTACTT CTTTTTCTTGATGCTTCTCTTAATGCGGATCGCTGGCTCTGAGAAATCACAGTCAG AACCTGAGCTATTGATAGCCTCACGACCTTGATTTTAGAGAGTTTGTGGGCGCTC CTCCAGTGACCTTTGCAACTCTGAGCAAGGCAAGCTCAGCCTTGAGCTCCTTGACC TGGCTTAACAGCTCGGATTTGCCCTTGTGGCGGACTCAAGGACCTTTAACCTGGG CGTTCTG
SEQ ID NO:306	Late	LPZ-293	GCGGACGCCTGGTGTGCTGCGCTGGGCCAGTTCAAGTATTTTAGCAACAGTGTTCACT TATCCCTGTGATATTCTTGACTCACACAACCACCTTAAGTACGCGAGACCATATCG ATCTGCTGCTGTAAGCAAATGTTGATCATTGTCTCAGGTGTCAAAAAGCAAGGGG ATGGATCAGAAAGCTCTTCTAAATCTGCATGCTCCTCTAAATCTGGAAGGGTATCTT TGTAATAAAGTGTAACATAGCCTTAAACACCTCTGGCCGTCGTT
SEQ ID NO:307	Late	LPZ-294	GACGTTGTAAAACGACGGCCAGAGGTGTTTAAGGCTATGTTACACTTTATTTACAAA GATACCCTTCCAGATTTAAAGGAGCATGCAAATTTAAGAAAACTTTCTGATTCAA CCCCCTGCCTTTTGGCACCTGAAGATGGTTCAACAATTTGCTAACGGAACCAATT CAAAAGGGCCGCTCCATTTAAGGTGTTGTGTTAGTCCAGAATATCACAAGGAATA AGTGTTAACACCGGTGCCAAAATACCTGAACTGGACCAACGACACCAAGCGTTTCGC C
SEQ ID NO:308	Middle	LPZ-295	GCGGACGCCTTGTAAATCCAGGGCCTTGAATATTGTAAGAGAAGATCGAGAAATAAT AGTTTTCTTATTATCAGGAATCACAGCTTGAAGAAGGCAGACCATGGACTCCCACT GGCTTCGTGATATTGAGTCCCCAACAAACATTAGTCGTTTTCCCTCAATCTCCACA GCAAGTCTCTGGCATTGAATCTGCGAAAGGAACACCCGAGTGGCTTCCACCTCCAT TTCTCGTAATCAGAATCTGGCCGTCGTTTAACAA

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:309	Late	LPZ-297	GACGTTGTAAAACGACGGCCAGCAGAAGACCAGTGCAGTATGCTGCAGCATAGTT TGTAAGCCCTACTTCGAGTCCATAACGAGGCAACTCCCTAGAATAAGCAGCCGACA TAACAACATCTCCCGCAAGAGTTGCATAAATGATCTGTGCCACCACATCCTTGTTC TGAATCTAACGACCAATCGGTATTTGGGTGTGTTGTACTTGTCTTATCTTGGTTAA TCAGGCGTCCGC
SEQ ID NO:310	Late	LPZ-299	GACGTTGTAAAACGACGGCCAGCATCCATTGCAGAAATTTGGGGGCTATATTAG CAACAGATATCACAGCTGTAAGTTCAAAGTTGGACCCTTCTTCTTCGACATCTTTTC CAGCTGTGCAATAAACTGAACACTGTCCTTTTGGATAAGCTTCCTCAACATATTAG AAAGTTCAACATCCAAGACATTGCGGTACTCCTCAACATATATGGATGCAAGTTCAT CATCTGCAGCTGGTCTCACCGCTGTACAACTTGTTTAACATGGTTGACAGTTGCA ACTTGAGCAGTCCGTGGATCCAAATAATGAGTTCCGTCAAGCTCACTGAACTCAGT CACAATCACCTGGCCACTTTGATTGGGCATCTCGAGGGATATCATGTGAGACTTGT TGTGGATGGGGAAAGCGTCCGC
SEQ ID NO:311	Early	LPZ-300	GCGGACGCCTGCATAAACATCGCTACCCTGGGGATGATTAATAATAGTACCAGGGT TAGGATTTTCTTCATCTTGAGCGATATCATCATACATAAAGACCACAATGTTTTCTC TTTCAAACCGCCTTTCTCAGAAATTTGGTAGGCATGGCAGATATCAGCCTGATGCC TGTAAGTTCCAATAACCGGAAGAACCAGCCAACAGAATAGCCCACTGAGTACCGATC GTATCACTATCATCAACGATATGATCGGTGGGCATTTTCAGTACTGAATCCCAACCC CTTCTGGCCGTCGTTTTACAACGTC
SEQ ID NO:312	Middle	LPZ-301	GCGGACGCCTAGACTGGGCATACCAACTACCTTCCTCATGCCAGGCCATGGGCCA CCTACCTGGTACTTAGGCATAACACCTTACTTACGAGCATGCCAGGCTCAGTCAGA TAGGCATGCATCCACCCACCTAGCTATGACCCAATCCTTATAAACTAGATATTC TCCCTGGCCGTCGTT
SEQ ID NO:313	Late	LPZ-303	GCGGACGCCTAGACAATCATTAACTGAAGATCTGTAAGCCATGACAAGACGAATAA AACGAAGCACGGCGCAACCAGCGTGAATATTGACGCCTTAATTTCACTCACTGGG TTGCGGATTCTTTATTCCTCAACAAGTGTTTCGATAGCTTCACATACGCAAGGCCCT TTTACTCTCACCTTCATGTTTAATGCTGTAACCGTCGAAGGTTGATGAAAGGACTT GGATGATGATGTTGCCAAAAAAAAAAAAA
SEQ ID NO:314	Middle	LPZ-304	GCGGACGCCTGCTCAACACCTGTTATAGTCATTTCTTGTTTCCTTTTCTCAATTTTC TCTTTCGAATGACCGCATTGAAATTCAGGCTGCCCAACGCGTTTTTGTTCACAAT TAATTTTTGAATCATACGCGAAGATCATGATGAGAATGGTTGTGGAAAAAACTGTT TGTAATATTTAG
SEQ ID NO:315	Middle	LPZ-306	ATATCACATTACCATTCAAAAAATAAACATTTTACAAAATACAATTCATAACAATTTT CTTCCCTGTTCCAACCTCCACAAAAGTAAATGATCGTATAAGAAATTAACACCAAC AAAAATCCCAAAGTTAAAGGAAGACATCCCCAAAAAAGATGTAACCTTTCAAACCGG ATGACTTCACTCCTGCCATTGCACCTAGTCATTTACTTCTCAGAGGAGTTTGGCCCT TTCTTCTTTCCAAAAGTAACCACTGCGGTAACAAACCGGCGGTTGTATTGCATTG CTTGATAGGCGCGGCTCTAGGCTTCTTCTTCTGTCTTGTGTTGGCCACCTTAGGGTC CGC
SEQ ID NO:316	Middle	LPZ-307	GCGGACGCCTTGGTACAATGGACTTGCAAAAATAAAATGAGTTCTCATTTGTGGGT GAGATGCGGATATTTTATGCATAGGCACTTCATGGAGATGTGGTTTATAAACGCCA TCTTAATATCTGTACCTATTACTTTCAAATATGAAGGCAAGATGGAAAGCTACTCAT CTGTTGTGAAGTCAGAATGTTGGTAGCGGTTGGGCTCTGAAAGTAAGAACTTTTT GATTGGTTTAATTAATGAGGGAATTTGCCTGGTTTCCCTCTTCTTCCGAAAAAA AAAAAAA

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